

Broad Band Direct Current Amplifier with Both Positive and Negative Output

# T-WBA01Z



## Features

A compact but low-price broadband amplifier. Used as an amplifier for positioning before high-speed AD convertors etc., and thus of more than adequate bandwidth and gain. Supports 2 types of outputs: both positive and negative. Both match 50Ω, and hence capable of transmitting accurate waveforms. Very compact and light, and thus easily used anywhere.



Rear Panel

## Specifications

Number of Inputs	1 Channel (BNC)
Input Resistance	Switches between 50Ω/1MΩ
Absolute Max. Input Voltage	±5Vp
Gain	26dB (light load)/20dB (50Ω load) both ± 0.3dB
Max. Output Voltage	approx. ±4.9Vp (load resistance 1MΩ) / approx. ±2Vp (load resistance 50Ω at output terminal)
Max. Output Current	approx. ±50mA <sub>p</sub>
Frequency Band	DC ~ 20MHz (-3dB)
Flank Time	approx. 1V/20nsec (load 50Ω)
Noise Voltage	approx. 2.5mV <sub>rms</sub> (output value with input short of 50Ω and load of 1MΩ from 3Hz to 20MHz)
Offset Adjustable Range	approx. ±100mV (output voltage, load 1MΩ)
Output Resistance	50Ω for both inverted and non-inverted (BNC x 2)
Power Supply Voltage	DC5V (isolated from internal circuit)
Consumed Current	approx. 200 mA (accompanying AC/DC adaptor, AC100 V: 21mA)
Operating Temperature	5C ~ 45C
Dimensions	80 (W) x 35 (H) x 75 (D) mm (protrusions such as connectors not included)
Weight	approx. 170g (AC/DC adaptor and cables not included)

## Accessories

AC/DC Adaptor	Input AC100V ~ 240V	output DC5V	1 unit
Case Feet (set of 4)			1 set

Both the specifications and usage are subject to change from improvements. Free warranty period of 6 months.

**We contract the development, design, and manufacture of various systems using electronic and computer technologies.**



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